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(54)ANTIBODY AGAINST ACTIVE TYPE
MATRILYSIN (MMP-7) AND
IMMUNOASSAY USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an accurate method for quantitatively determining or measuring an active type matrix metalloprotease 7 (MMP-7) useful for analyzing the relation of a matriysin called a human MMP-7 which is one of the matrix metalloproteases with various diseases.

SOLUTION: The monoclonal antibody capable of specifically carrying out the immunological reaction only with a human active type MMP-7 is obtained according to a cell fusion method

by using an amino acid sequence of YSLFP of the MMP-7 or a region containing the vicinity thereof as an immunogen. The resultant antibody is used as a measuring reagent to provide a method for especially sandwich enzyme immunologically performing measurements of the human active type MMP-7 and a reagent therefor. The method and reagent are capable of detecting, measuring and determining the active type MMP-7 found in various cancer diseases including rectal cancer and prostatic cancer which are presently increasing. The monoclonal antibody is further useful as a reagent for immunological staining of tissues or cells.